

1631 \$

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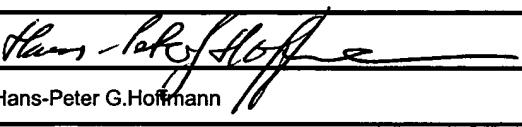
Total Number of Pages in This Submission

Application Number	10/091,360
Filing Date	03/04/2002
First Named Inventor	Tsipouras et al.
Art Unit	1631
Examiner Name	Clow, Lorie A.
Total Number of Pages in This Submission	Attorney Docket Number IK-110.3 (C)

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input checked="" type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1.PTO-1449(PTO/SB/08A and /08B) 2. (17)References
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	PLLSBURY WINTHROP LLP		
Signature			
Printed name	Hans-Peter G. Hoffmann		
Date	December 1, 2004	Reg. No.	37,352

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Typed or printed name	Jack B Koczarski	Date	December 1, 2004

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FEET TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	180.00
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Complete if Known

Application Number	10/091,360
Filing Date	03/04/2002
First Named Inventor	Tsipouras et al.
Examiner Name	Clow, Lori A
Art Unit	1631
Attorney Docket No.	IK-110.3(C)

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number	03-3975
Deposit Account Name	PILLSBURY WINTHROP LLP

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee			
1002 350	2002 175	Design filing fee			
1003 550	2003 275	Plant filing fee			
1004 790	2004 395	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20** =	X	=	Fee from below	Fee Paid
Independent Claims					
Multiple Dependent					

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)	180.00

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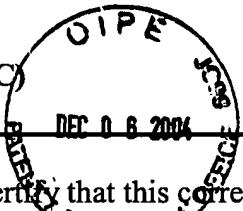
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Name (Print/Type)	Hans-Peter G.Hoffmann	Registration No. (Attorney/Agent)	37,352	Telephone	203 965-8271
Signature				Date	December 1, 2004

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Jack B. Koczarski**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of:
Tsipouras et al.

CASE NO.: IK-110.3(C)

APPLICATION NO.: 10/091,360

GROUP ART UNIT: 1631

FILED: 03/04/2002

EXAMINER: Clow, Lori A

FOR: METHOD AND APPARATUS FOR COMPUTER CONTROLLED RARE CELL
INCLUDING FETAL CELL, BASED DIAGNOSIS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

All copies of the references listed on the attached Form

PTO-1449 (PTO/SB/08A and PTO/SB/08B) have been provided.

- () In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required. The Commissioner is authorized to charge any fees required to Deposit Account No. 03-3975.

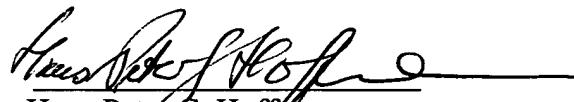
- (X) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
- () Certification in Accordance with §1.97(e) is set forth below.
- (X) The fee of \$ 180.00 as set forth in §1.17(p) is attached.
- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$ as set forth in §1.17(p).

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The references are only provided in the English language or with an English language abstract or translation.

Date: December 1, 2004

Respectfully submitted,



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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.																	
<p style="text-align: center;"><i>Substitute for form 1449/PTO</i></p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)</p>			Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Application Number</td> <td style="width: 66%;">10/091,360</td> </tr> <tr> <td>Filing Date</td> <td>03/04/2002</td> </tr> <tr> <td>First Named Inventor</td> <td>Tsipouras et al.</td> </tr> <tr> <td>Art Unit</td> <td>1631</td> </tr> <tr> <td>Examiner Name</td> <td>Clow, Lori A.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>IK-110.3 (C)</td> </tr> </table>			Application Number	10/091,360	Filing Date	03/04/2002	First Named Inventor	Tsipouras et al.	Art Unit	1631	Examiner Name	Clow, Lori A.	Attorney Docket Number	IK-110.3 (C)
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Examiner Name	Clow, Lori A.																
Attorney Docket Number	IK-110.3 (C)																
Sheets	1	of	1														

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
A	WO 99/58972		11/18/99	PCT		
B	WO 99/08091		02/18/99	PCT		
C	WO 99/02960		01/21/99	PCT		
D	WO 97/43732		11/20/97	PCT		
E	WO 97/20198		06/07/97	PCT		
F	WO 94/02646		02/03/94	PCT		
G	WO 93/18186		09/16/93	PCT		
H	EP 0 713 086 B1		04/14/99	EPO		
I	EP 0 595 506		05/04/94	EPO		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/091,360
Filing Date	03/04/2002
First Named Inventor	Tsipouras et al.
Art Unit	1631
Examiner Name	Clow, Lori A
Sheet	1
of	1
Attorney Docket Number	IK-110.3(C)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Baxes, 1994, "Digital Image Processing Passage", U.S. , New York, Wiley, pp. 127-137	
	2	Mesker et al., 1994, "Detection of Immunocytochemically Stained Rare Events Using Image Analysis" Cytochemistry 17 pp. 209-215	
	3	Oosterwijk et al., 1998, " Strategies for Rare-Event Detection: An Approach for Automated Fetal Cell Detection in Maternal Blood" Am. J. Hum. Genet. 63, pp. 1783-1792	
	4	Oosterwijk et al., 1998, "Development of Preparation and Staining Method for Fetal Erythroblasts in Maternal Blood: Simultaneous Immunocytochemical Staining and FISH Analysis, Cytometry 32, pp. 170-177	
	5	Oosterwijk et al., 1998, "Fetal Cell Detection in Maternal Blood: A Study in 236 Samples Using Erythroblast Morphology, DAB and HbF Staining, and Fish Analysis" Cytometry 32 pp 178-185	
	6	Tanke et al., 1996, " Detection of Rare Event" Fetal Erythroblast in Maternal Blood Using Automated Microscopy", Early Devel. 47 Suppl. pp. S89-S93	
	7	Verwoerd et al., 1987, "Somatic Cell Mutation in Humans Detected by Image Analysis of Immunofluorescently Stained Erythrocytes", in : Clinical Cytometry and Histometry, Burger et al., eds., Academic Press, pp. 465-469	
	8	Lizardi et al., 1998, Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-circle Amplification, Nature Genetics, 19 (3) pp225-232	

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